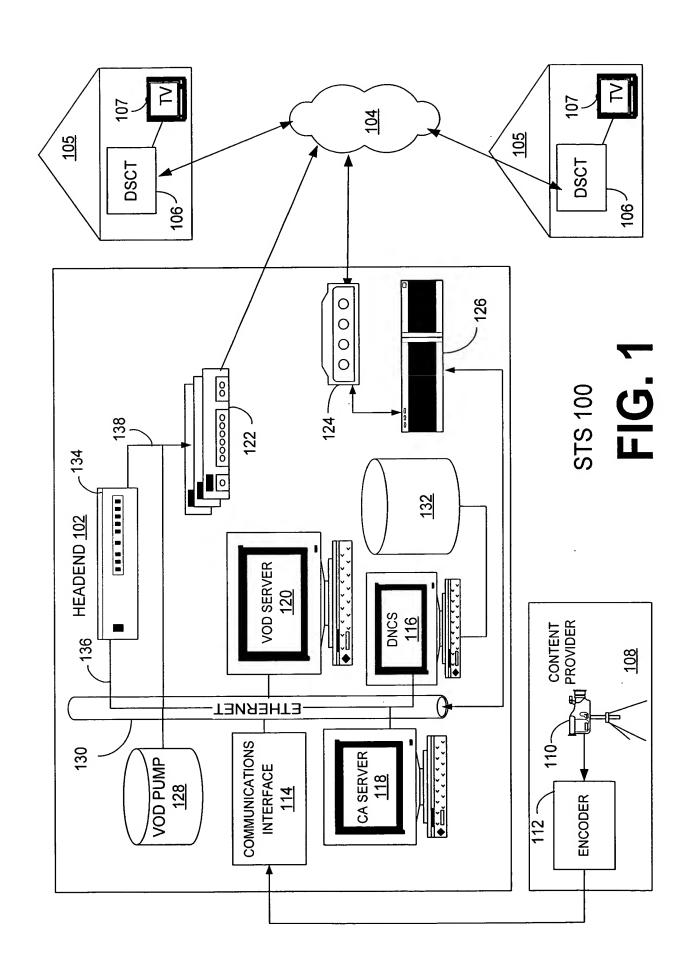
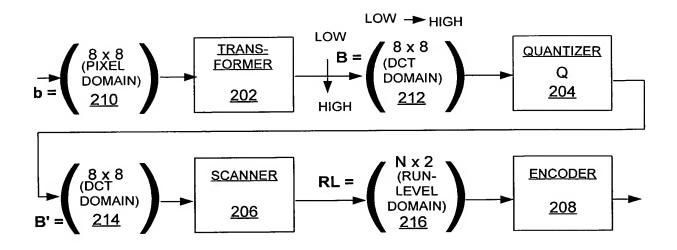
Page 1 of 13



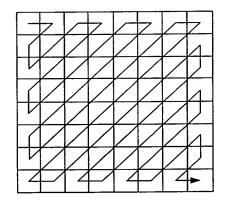
Docket No.: A-9049

Page 2 of 13



PRIOR ART

FIG. 2



PRIOR ART

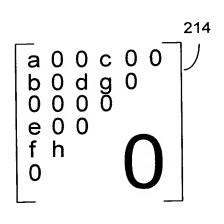
PRIOR ART

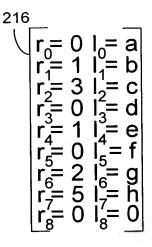
FIG. 3A

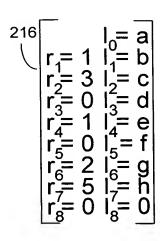
FIG. 3B

Docket No.: A-9049

Page 3 of 13







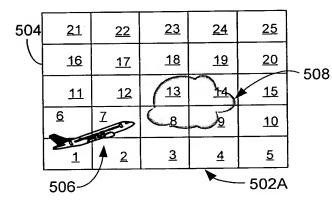
PRIOR ART

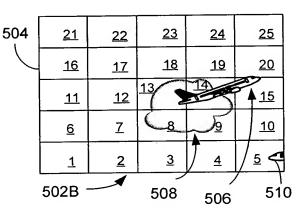
PRIOR ART

PRIOR ART

FIG. 4A

FIG. 4B FIG. 4C



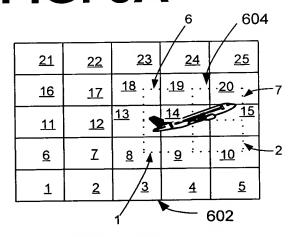


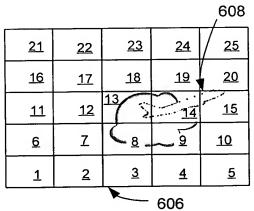
PRIOR ART

PRIOR ART

FIG. 5A

FIG. 5B





PRIOR ART

FIG. 6A

FIG. 6B

Docket No.: A-9049

Page 4 of 13

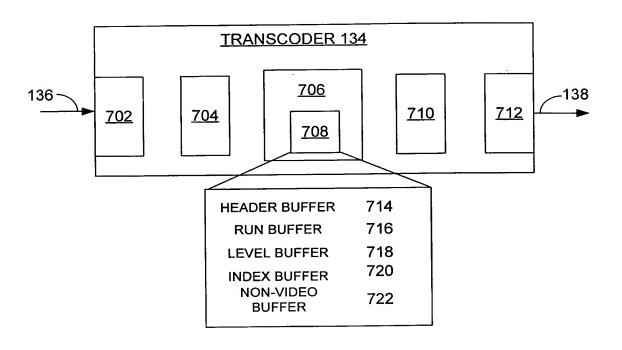


FIG. 7

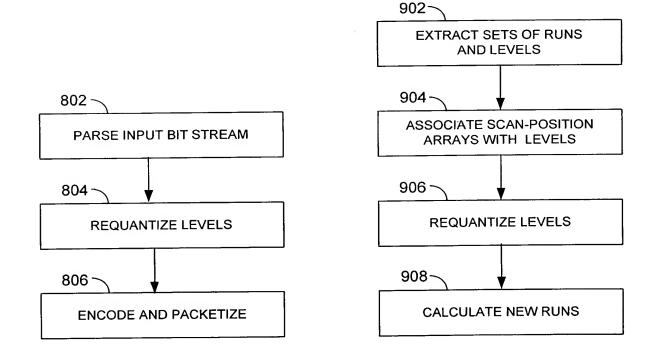


FIG. 8

FIG. 9

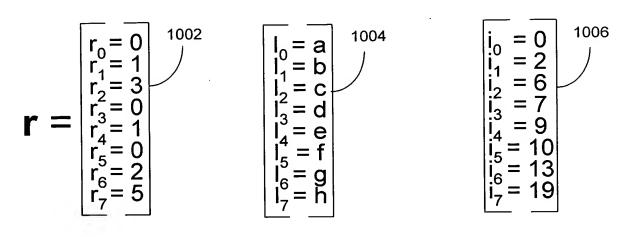


FIG. 10A

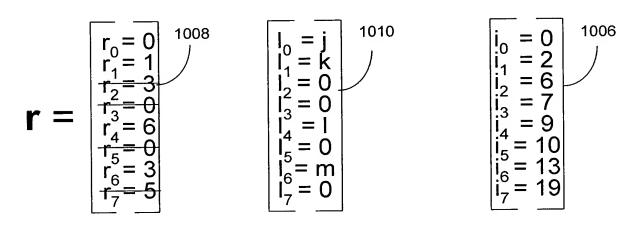


FIG. 10B

$$\mathbf{r}' = \begin{bmatrix} r_0' = 0 \\ r_1' = 1 \\ r_2' = 6 \\ r_3' = 3 \end{bmatrix} \mathbf{l}' = \begin{bmatrix} I_0' = j \\ I_1' = k \\ I_2' = l \\ I_3' = m \end{bmatrix} \mathbf{r}' \mathbf{l}' = \begin{bmatrix} r_0' = 0 & I_0' = j \\ r_1' = 1 & I_1' = k \\ r_2' = 6 & I_2' = l \\ r_3' = 3 & I_3' = m \end{bmatrix}$$

FIG. 10C

Docket No.: A-9049

Page 6 of 13

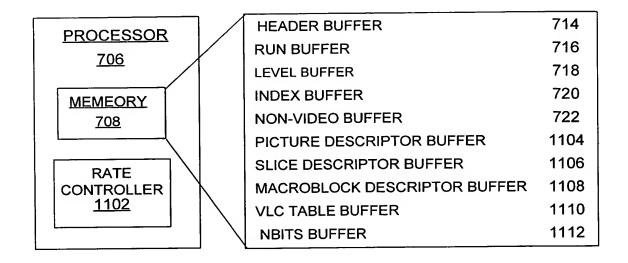


FIG. 11

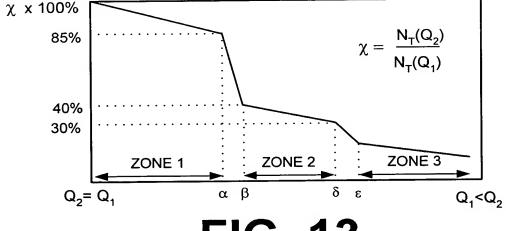


FIG. 13

Docket No.: A-9049

Page 7 of 13

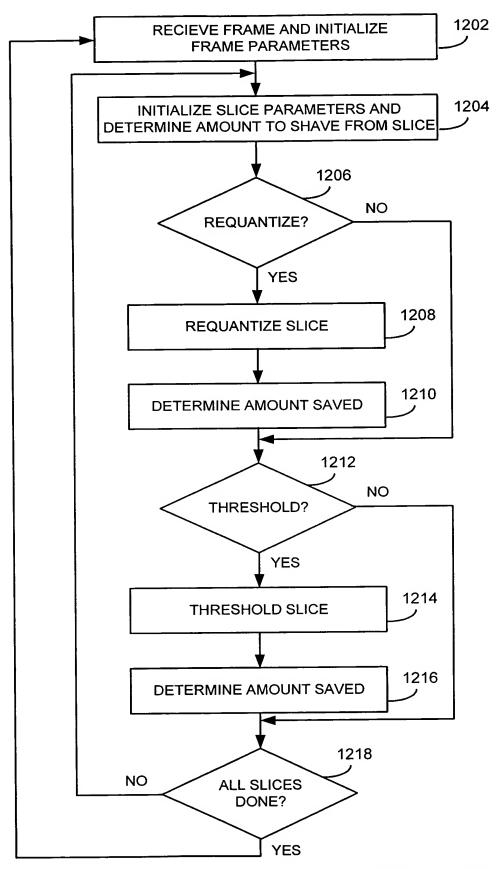


FIG. 12

Docket No.: A-9049

Page 8 of 13

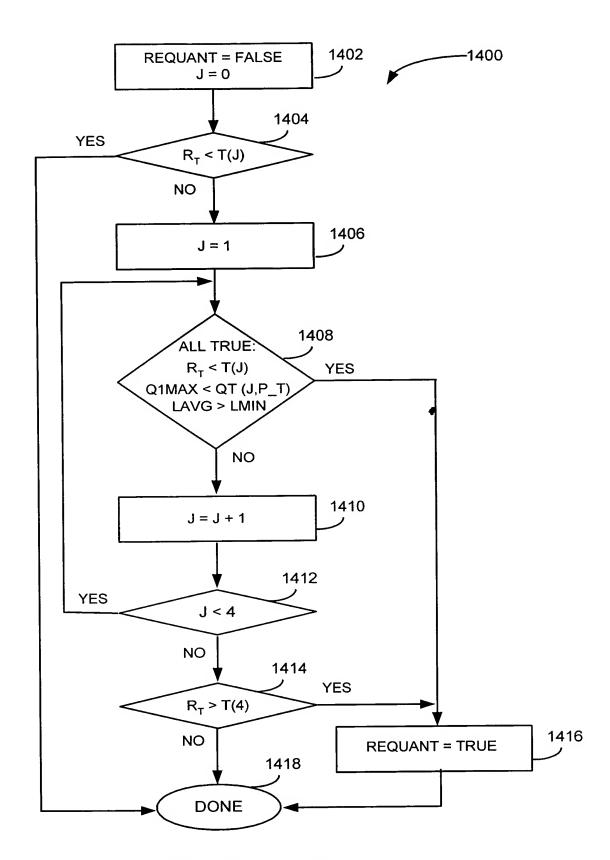
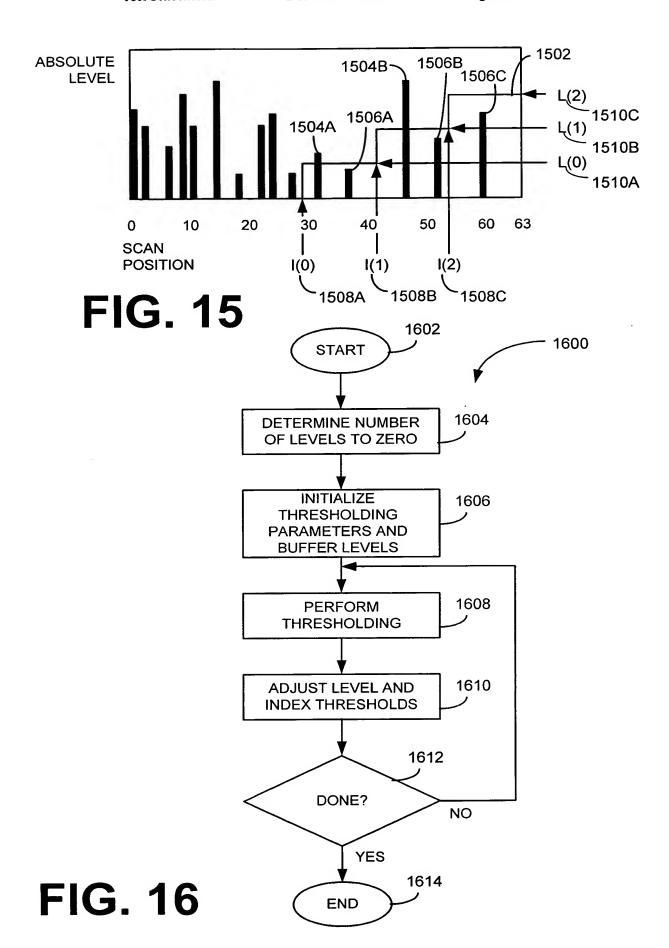


FIG. 14

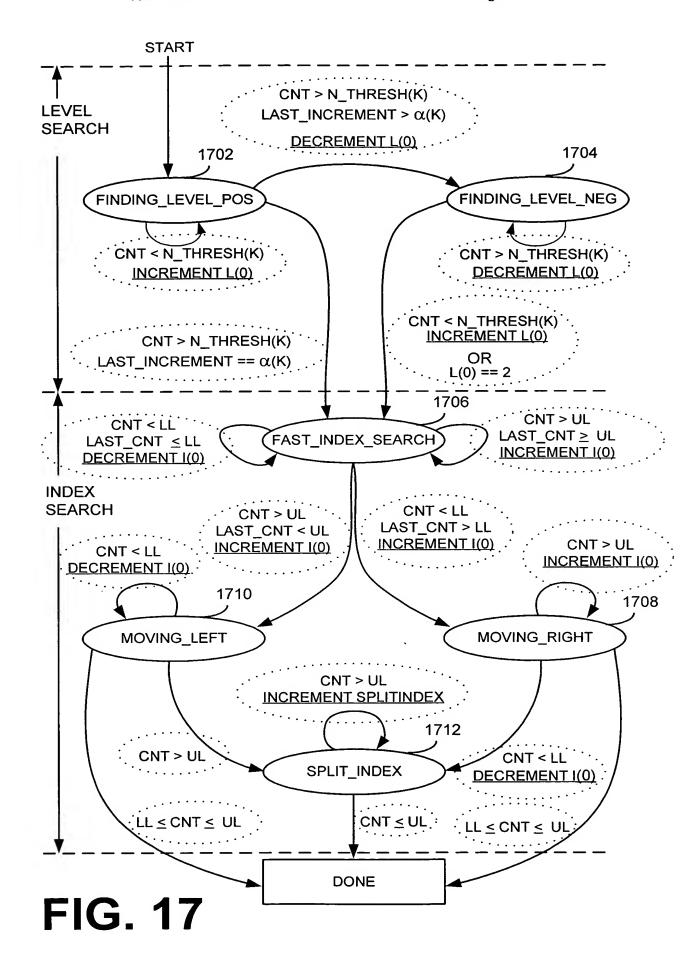
Docket No.: A-9049

Page 9 of 13



Docket No.: A-9049

Page 10 of 13



Docket No.: A-9049

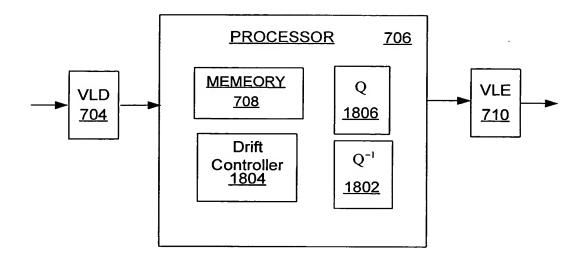


FIG. 18

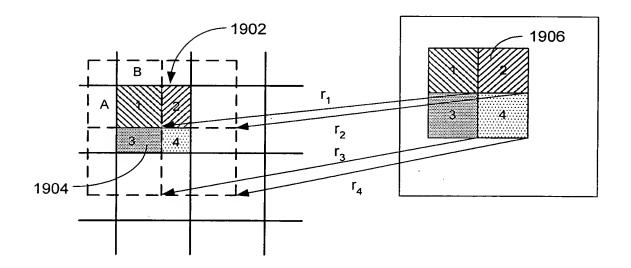


FIG. 19

2002 RECEIVE VIDEO FRAME 2004 **INITIALIZE SLICE** 2014 2006 THRESHOLD? YES I-PICTURE? YES - 2016 NO -2008 THRESHOLD SLICE AND BUFFER L'(Q) **APPLY MOTION COMPENSATION TO SLICE** 2018 YES **B-PICTURE?** 2010 NO **REQUANTIZE** NO AND P_TYPE = I? 2020 ACCUMLATE DRIFT YES 2012 2022 REQUANTIZE VIDEO SLICE AND NO **BUFFER L'(Q2)** FRAME DONE? YES - 2024 GENERATE NEW REQUANTIZED SETS OF RUN-LEVEL PAIRS {r', L'(Q)} - 2026 SEND VIDEO FRAME TO VLE 2000 2028 **IDLE**

FIG. 20

Docket No.: A-9049

Page 13 of 13

